

Serial Number: 10/016,149

ENTERED

#2

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☒ Deleted extra/invalid headings used by an applicant, specifically: 22207 in seq. 3
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/016,149

DATE: 01/10/2002

TIME: 20:23:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01102002\J016149.raw

```

5 <110> APPLICANT: C. Frank Bennett
7   Jacqueline Wyatt
11 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP V (CA2+-
12   DEPENDENT) EXPRESSION
16 <130> FILE REFERENCE: RTS-0325
C--> 20 <140> CURRENT APPLICATION NUMBER: US/10/016,149
C--> 20 <141> CURRENT FILING DATE: 2001-11-01
20 <160> NUMBER OF SEQ ID NOS: 84
26 <210> SEQ ID NO: 1
28 <211> LENGTH: 20
30 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
40 <223> OTHER INFORMATION: Antisense Oligonucleotide
44 <400> SEQUENCE: 1
46 tccgtcatcg ctctcaggg                                     20
52 <210> SEQ ID NO: 2
54 <211> LENGTH: 20
56 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
66 <223> OTHER INFORMATION: Antisense Oligonucleotide
70 <400> SEQUENCE: 2
72 atgcattctg cccccaagga                                     20
78 <210> SEQ ID NO: 3
80 <211> LENGTH: 1016
82 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
87 <220> FEATURE:
89 <221> NAME/KEY: CDS
91 <222> LOCATION: (133)...(549)
95 <400> SEQUENCE: 3
97 atggatacca atgttccgac tggagacggg gagcccgcca gaccggggtc tccaggggtc   60
101 gcccaaggaa gttgctcatg ggagcagacc cctagagcag gatttgaggc caggccaaag   120
105 agaaccacag ag atg aaa ggc ctc ctc cca ctg gct tgg ttc ctg gct tgt   171
107           Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys
109           1           5           10
113 agt gtg cct gct gtg caa gga ggc ttg ctg gac cta aaa tca atg atc   219
115 Ser Val Pro Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile
117   15           20           25
121 gag aag gtg aca ggg aag aac gcc ctg aca aac tac ggc ttc tac ggc   267
123 Glu Lys Val Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr Gly
125  30           35           40           45
129 tgt tac tgc ggc tgg ggc ggc cga gga acc ccc aag gat ggc acc gat   315
131 Cys Tyr Cys Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly Thr Asp
133           50           55           60
137 tgg tgc tgt tgg gcg cat gac cac tgc tat ggg cgg ctg gag gag aag   363

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139 Trp Cys Cys Trp Ala His Asp His Cys Tyr Gly Arg Leu Glu Glu Lys
141          65          70          75
145 ggc tgc aac att cgc aca cag tcc tac aaa tac aga ttc gcg tgg ggc      411
147 Gly Cys Asn Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly
149          80          85          90
153 gtg gtc acc tgc gag ccc ggg ccc ttc tgc cat gtg aac ctc tgt gcc      459
155 Val Val Thr Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala
157          95          100          105
161 tgt gac cgg aag ctc gtc tac tgc ctc aag aga aac cta cgg agc tac      507
163 Cys Asp Arg Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr
165 110          115          120          125
169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctccccag  559
171 Asn Pro Gln Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser
173          130          135
177 cgagctcctc ccagaccaag acttttggtc tgtttttcta caacacagag tactgactct  619
181 gcctgggtcc tgagagaggc tcctaagtca cagacctcag tctttctoga agcttggcgg  679
185 acccccaggg ccacactgta ccctccagcg agtcccagga gagtgactct ggcatagga  739
189 cttggtaggg tcccagggtc cctaggcctc cactttctgag ggcagcccct ctggtgccaa  799
193 gagctctcct ccaactcagg gttggctgtg tctcttttct tctctgaaga cagcgtcctg  859
197 gctccagttg gaacactttc ctgagatgca cttacttctc agcttctgcg atcagattat  919
201 catcaccacc accctccaga gaattttacg caagaagagc caaattgact ctctaaatct  979
205 ggtgtatggg tattaaataa aattcattct caaggct      1016
211 <210> SEQ ID NO: 4
213 <211> LENGTH: 18
215 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
225 <223> OTHER INFORMATION: PCR Primer
229 <400> SEQUENCE: 4
231 ggcccttctg ccatgtga      18
237 <210> SEQ ID NO: 5
239 <211> LENGTH: 24
241 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR Primer
255 <400> SEQUENCE: 5
257 ccgtaggttt ctcttgaggc agta      24
263 <210> SEQ ID NO: 6
265 <211> LENGTH: 22
267 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
277 <223> OTHER INFORMATION: PCR Probe
281 <400> SEQUENCE: 6
283 tgtgcctgtg accggaagct cg      22
289 <210> SEQ ID NO: 7
291 <211> LENGTH: 19
293 <212> TYPE: DNA

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295 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
303 <223> OTHER INFORMATION: PCR Primer
307 <400> SEQUENCE: 7
309 gaaggtgaag gtcggagtc 19
315 <210> SEQ ID NO: 8
317 <211> LENGTH: 20
319 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
329 <223> OTHER INFORMATION: PCR Primer
333 <400> SEQUENCE: 8
335 gaagatggtg atgggatttc 20
341 <210> SEQ ID NO: 9
343 <211> LENGTH: 20
345 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
355 <223> OTHER INFORMATION: PCR Probe
359 <400> SEQUENCE: 9
361 caagcttccc gttctcagcc 20
367 <210> SEQ ID NO: 10
369 <211> LENGTH: 20
371 <212> TYPE: DNA
373 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
381 <223> OTHER INFORMATION: Antisense Oligonucleotide
385 <400> SEQUENCE: 10
387 tctccagtcg gaacattggt 20
393 <210> SEQ ID NO: 11
395 <211> LENGTH: 20
397 <212> TYPE: DNA
399 <213> ORGANISM: Artificial Sequence
403 <220> FEATURE:
407 <223> OTHER INFORMATION: Antisense Oligonucleotide
411 <400> SEQUENCE: 11
413 gcagaccctg gagaccgagg 20
419 <210> SEQ ID NO: 12
421 <211> LENGTH: 20
423 <212> TYPE: DNA
425 <213> ORGANISM: Artificial Sequence
429 <220> FEATURE:
433 <223> OTHER INFORMATION: Antisense Oligonucleotide
437 <400> SEQUENCE: 12
439 ttgggcagac cctggagacc 20
445 <210> SEQ ID NO: 13
447 <211> LENGTH: 20
449 <212> TYPE: DNA
451 <213> ORGANISM: Artificial Sequence

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```

455 <220> FEATURE:
459 <223> OTHER INFORMATION: Antisense Oligonucleotide
463 <400> SEQUENCE: 13
465 cttccttggg cagaccctgg                20
471 <210> SEQ ID NO: 14
473 <211> LENGTH: 20
475 <212> TYPE: DNA
477 <213> ORGANISM: Artificial Sequence
481 <220> FEATURE:
485 <223> OTHER INFORMATION: Antisense Oligonucleotide
489 <400> SEQUENCE: 14
491 cccatgagca acttccttgg                20
497 <210> SEQ ID NO: 15
499 <211> LENGTH: 20
501 <212> TYPE: DNA
503 <213> ORGANISM: Artificial Sequence
507 <220> FEATURE:
511 <223> OTHER INFORMATION: Antisense Oligonucleotide
515 <400> SEQUENCE: 15
517 ctgctcccat gagcaacttc                20
523 <210> SEQ ID NO: 16
525 <211> LENGTH: 20
527 <212> TYPE: DNA
529 <213> ORGANISM: Artificial Sequence
533 <220> FEATURE:
537 <223> OTHER INFORMATION: Antisense Oligonucleotide
541 <400> SEQUENCE: 16
543 cctcaaattcc tgctctaggg                20
549 <210> SEQ ID NO: 17
551 <211> LENGTH: 20
553 <212> TYPE: DNA
555 <213> ORGANISM: Artificial Sequence
559 <220> FEATURE:
563 <223> OTHER INFORMATION: Antisense Oligonucleotide
567 <400> SEQUENCE: 17
569 ctctttggcc tggcctcaaa                20
575 <210> SEQ ID NO: 18
577 <211> LENGTH: 20
579 <212> TYPE: DNA
581 <213> ORGANISM: Artificial Sequence
585 <220> FEATURE:
589 <223> OTHER INFORMATION: Antisense Oligonucleotide
593 <400> SEQUENCE: 18
595 ggaggccttt catctctggg                20
601 <210> SEQ ID NO: 19
603 <211> LENGTH: 20
605 <212> TYPE: DNA
607 <213> ORGANISM: Artificial Sequence
611 <220> FEATURE:

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615 <223> OTHER INFORMATION: Antisense Oligonucleotide
619 <400> SEQUENCE: 19
621 aagccaggaa ccaagccagt 20
627 <210> SEQ ID NO: 20
629 <211> LENGTH: 20
631 <212> TYPE: DNA
633 <213> ORGANISM: Artificial Sequence
637 <220> FEATURE:
641 <223> OTHER INFORMATION: Antisense Oligonucleotide
645 <400> SEQUENCE: 20
647 cactacaagc caggaaccaa 20
653 <210> SEQ ID NO: 21
655 <211> LENGTH: 20
657 <212> TYPE: DNA
659 <213> ORGANISM: Artificial Sequence
663 <220> FEATURE:
667 <223> OTHER INFORMATION: Antisense Oligonucleotide
671 <400> SEQUENCE: 21
673 gcacactaca agccaggaac 20
679 <210> SEQ ID NO: 22
681 <211> LENGTH: 20
683 <212> TYPE: DNA
685 <213> ORGANISM: Artificial Sequence
689 <220> FEATURE:
693 <223> OTHER INFORMATION: Antisense Oligonucleotide
697 <400> SEQUENCE: 22
699 aggcacacta caagccagga 20
705 <210> SEQ ID NO: 23
707 <211> LENGTH: 20
709 <212> TYPE: DNA
711 <213> ORGANISM: Artificial Sequence
715 <220> FEATURE:
719 <223> OTHER INFORMATION: Antisense Oligonucleotide
723 <400> SEQUENCE: 23
725 tgcacagcag gcacactaca 20
731 <210> SEQ ID NO: 24
733 <211> LENGTH: 20
735 <212> TYPE: DNA
737 <213> ORGANISM: Artificial Sequence
741 <220> FEATURE:
745 <223> OTHER INFORMATION: Antisense Oligonucleotide
749 <400> SEQUENCE: 24
751 cagcaagcct ccttgacag 20
757 <210> SEQ ID NO: 25
759 <211> LENGTH: 20
761 <212> TYPE: DNA
763 <213> ORGANISM: Artificial Sequence
767 <220> FEATURE:
771 <223> OTHER INFORMATION: Antisense Oligonucleotide

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/016,149

DATE: 01/10/2002

TIME: 20:23:20

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01102002\J016149.raw

L:20 M:270 C: Current Application Number differs, Replaced Current Application No

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date